MONTHLY BULLETIN

OF

THE OBSERVATORY

AMERICAN UNIVERSITY OF BEIRUT

BEIRUT, LEBANON

LAT. 33° 54' 22" N.

LONG. E. FROM GREENWICH 35° 28' 10"

OCTOBER 1953

ROBERT W. SLOANE, DIRECTOR

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WEATHER BUREAU

OCTOBER 1953
METEOROLOGICAL REGISTER

Date	Barometer reduced to O°C Sea level and 45° Latitude 700 mm. +...				Thermometer Degress Centigrade					
	8:30	14:30	20:30	Mean	Max.	Min.	8:30	14:30	20.30	Mean
1	63.0	62.1	62.1	62.4	27.6	21.6	24.4	27.4	23.9	25.2
2	61.0	59.3	58.6	59.6	27.7	23.8	24.7	27.3	25.0	25.7
3	57.9	57.0	57.0	57.3	28.9	23.4	25.8	28.6	25.6	26.7
4	58.6	59.9	60.1	59.5	29.2	23.6	25.6	28.9	25.3	26.6
5	59.7	58.7	59.2	59.2	29.0	24.7	25.8	28.5	25.8	26.7
6	60.1	58.6	59.4	59.4	28.5	22.1	25.6	26.7	25.0	25.8
7	60.8	60.2	61.5	60.8	28.5	21.7	25.2	28.0	23.4	25.5
8	62.6	61.3	61.6	61.8	27.6	22.5	24.3	27.1	24.2	25.2
9	61.0	58.9	58.2	59.4	28.8	23.5	25.7	28.3	26.3	26.8
10	57.3	56.6	58.3	57.4	31.2	22.2	25.6	30.3	25.8	27.2
11	61.4	61.0	62.0	61.5	29.0	23.0	24.6	28.8	24.9	26.1
12	64.2	63.4	62.9	63.5	27.6	23.1	25.3	26.7	24.6	25.5
13	62.0	61.5	61.2	61.6	27.6	23.2	25.6	26.3	23.9	25.3
14	61.3	60.4	60.8	60.8	27.0	18.7	23.9	26.3	22.4	24.2
15	61.4	61.4	61.9	61.6	26.5	19.9	22.3	26.4	21.8	23.5
16	61.9	60.6	60.8	61.1	26.1	18.3	22.6	25.1	21.6	23.1
17	60.1	59.2	59.7	59.7	26.6	19.8	22.6	26.3	21.3	23.4
18	61.0	61.1	62.4	61.5	26.8	19.8	22.3	26.7	21.8	23.6
19	63.5	62.3	62.6	62.8	25.6	19.9	22.4	25.3	21.7	23.1
20	61.7	60.2	60 2	60.7	26.7	20.1	22.5	26.5	21.9	23.6
21	59.2	58.7	59.9	59.3	25.9	19.6	22.5	24.7	21.6	22.9
22	62.1	61.5	62.1	61.9	25.1	19.4	22.2	24.7	21.7	22.9
23	63.0	61.9	62.3	62.4	25.1	19.1	22.3	24.6	21.7	22.9
24	62.3	61.2	62.2	61.9	25.4	19.8	21.6	25.0	21.6	22.7
25	63.2	63.0	63.7	63.4	26.7	19.6	22.7	25.2	20.6	22.8
26	64.5	63.9	64.0	64.1	26.0	20.8	23.6	24.9	21.4	23.3
27	64.0	62.8	62.6	63.1	26.3	20.1	22.5	25.6	21.4	23.2
28	61.1	59.4	59.3	59.9	26.0	21.4	22.8	25.5	23.9	24.1
29	59.0	58.5	59.5	59.0	24.6	18.8	22.9	23.9	20.7	22.5
30	60.7	60.1	61.2	60.7	24.3	18.4	21.4	23.4	20.3	21.7
31	62.2	61.2	61.7	61.7	23.6	18.7	20.8	23.0	21.1	21.6
	61.38	60.51	60.94	60.94	26.95	20.99	23.62	26.32	22.97	24.30

Barometer, range for month 764.5 mm. — 756.6 mm.
„ 71-yr. average for month 761.31 mm.
Thermometer, range for month 31.2°C — 18.3°C
„ 71-yr. average for month 24.51°C
Rain total for month 7.87 mm.
„ 71-yrs average for month 50.02 mm.
„ Total, Sept. 1st. to end of month 9.65 mm.
„ 71-yrs. average. Sept. 1st. to end of month 56.21mm.

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Date	Pressure of Water Vapor Millibars				Relative Humidity per cent.				sun.	Wind per day	Rain
	8:30	14:30	20:30	Mean	8:30	14:30	20:30	Mean	Hrs.	Kms.	m.m.
1	22.4	22.1	22.2	22.2	73	61	75	70	9.0	103.0	
2	18.6	22.1	25.3	22.0	61	61	79	67	9.3	669.0	
3	26.2	25.4	26.2	25.9	80	67	81	76	9.2	266.0	
4	27.6	27.1	29.0	27.9	85	69	88	81	8.8	13.0	
5	27.6	29.0	28.3	28.3	84	76	87	82	3.7	225.0	
6	26.2	24.6	19.4	23.4	80	71	61	71	3.0	93.0	
7	21.9	21.0	21.4	21.4	69	56	74	66	9.1	92.0	
8	20.5	23.5	23.5	22.5	68	66	81	72	8.4	319.0	
9	22.1	26.8	24.4	24.4	68	69	73	70	9.0	472.0	
10	23.5	26.5	28.3	26.1	71	60	86	72	9.2	73.0	
11	26.4	28.6	28.0	27.7	87	73	90	83	9.2	64.0	
12	24.6	24.6	26.4	25.2	79	71	87	79	7.6	76.0	
13	24.8	24.4	25.5	24.9	76	74	85	78	0.7	77.0	
14	19.7	19.8	18.6	19.4	67	58	69	65	6.2	116.0	
15	18.6	17.3	17.2	17.7	71	53	66	63	10.5	39.0	4.57
16	18.1	18.2	18.4	18.2	66	59	71	65	10.5	55.0	
17	17.5	18.5	15.4	17.1	62	55	62	60	9.4	98.0	3.05
18	15.1	17.4	16.7	16.4	57	49	65	57	10.2	13.0	
19	15.7	17.5	17.8	17.0	58	56	71	62	10.5	53.0	
20	15.7	20.0	17.8	17.8	59	57	70	62	10.2	51.0	
21	18.7	18.6	17.8	18.4	67	61	70	66	10.0	53.0	0.25
22	17.4	17.4	18.4	17.7	66	57	72	65	10.3	232.0	
23	15.7	16.2	14.4	15.4	58	54	55	56	9.5	330.0	
24	15.5	14.6	8.1	12.7	61	45	31	46	10.3	134.0	
25	7.8	12.3	8.5	9.5	27	40	37	35	10.3	237.0	
26	6.3	12.3	7.6	8.7	23	38	28	30	10.1	267.0	
27	9.3	15.9	13.9	13.0	32	50	54	45	10.3	97.0	
28	10.3	17.7	14.3	14.1	36	54	48	46	9.9	502.0	
29	15.8	17.2	15.3	16.1	59	58	63	60	5.7	58.0	
30	12.2	15.3	15.2	14.2	49	53	65	56	10.0	18.0	
31	15.3	16.9	14.3	15.5	65	62	56	61	9.7	138.0	
	18.62	20.28	19.28	19.38	63.3	59.1	67.7	63.4	8.70	162.35	0.25

Height of Barometer above sea level : 33.7 meters.
" " Thermometers above ground :
Dry and wet 1.55 m ; Max. 1.75 m. ; Min. 1.70 m.
Rim of Rain Gauge : above ground 0.56 m. ; above sea level 30.31 m.
Time of reading minus 2 hours equal G.C.T
71 year averages are for period, 1875-1945

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METEOROLOGICAL REGISTER

Date	Clouds clear—0 Overcast—10				Direction and force of wind Beaufort scale			Sea	Notes
	8:30	14:30	20:30	Mean	8:30	14:30	20:30		
1	2cu	0	1cu	1.0	1sw	1n	1ne	light	
2	0	0	0	0.0	2ne	4n	3ne	,,	
3	8cu	0	0	2.7	3n	2n	3n	,,	H.a. m.
4	0	0	0	0.0	1s	1w	1e	,,	
5	9cu-st	10cu-ci	10cu-st	9.7	1ne	1ne	1ne	,,	H, all day
6	10ni	10cu-ni	10st	10.0	1se	1w	1w	light	Tr., a.m. p.m.
7	3cu	0	0	1.0	2sw	2w	1e	,,	
8	0	8ci-st	0	2.7	1ne	1ne	3ne	,,	H., P M.
9	9ci-st	0	0	3.0	2ne	3ne	3n	,,	
10	0	4cu-ci	0	1.3	1sw	1sw	1sw	,,	
11	0	3ci	0	1.0	1nw	1ne	1ne	light	D., H., a.m.
12	0	9cu	9cu-st	6.0	1sw	1n	1n	,,	D., a.m.
13	10cu-st	10cu-st	0	6.7	1sw	1w	1w	,,	Tr., a.m.
14	10cu-ni	2cu	0	4.0	1w	3nw	1se	,,	
15	4cu	1cu	2cu	2 3	1sw	1w	1sw	,,	
16	0	0	3cu	1.0	1se	1nw	1se	light	
17	1cu	1cu	0	0.7	1se	1nw	1se	,,	
18	9cu	0	1cu	3.3	1se	1sw	1e	,,	
19	9ci	1cu-ci	0	3.3	1e	1n	1ne	,,	
20	0	1cu	6cu	2.3	1e	1nw	1ne	,,	
21	3cu-ci	5cu	3cu	3.7	1sw	1nw	1e	light	
22	1cu	0	0	0.3	1e	1n	1nw	,,	
23	0	3cu-ci	5cu-st	2.7	1sw	3ne	3ne	,,	
24	0	0	0	0.0	1n	1n	1e	,,	
25	0	0	0	0.0	1e	1ne	1e	,,	
26	0	0	0	0.0	2se	3n	2e	light	
27	0	0	0	0 0	1se	2n	1e	,,	
28	0	5ci	0	1.7	1e	3ne	4ne	,,	
29	10cu-st	10ci-st	3st	7.7	1ne	3nw	1sw	,,	
30	1cu	0	0	0.3	1se	2nw	1se	,,	
31	1cu	3ci	0	1.3	1se	2ne	3ne	,,	
	mean			2.57					

Abbreviations : G = gale; H = haze; M = mist ; T = thunderstorm ; D = dew.
W = strong wind; Tr = trace of rain

Number of Daily Wind Observations

Time	N	NE	E	SE	S	SW	W	NW	Calm	Totals
8:30	2	5	5	8	1	8	1	1	0	31
14:30	9	8	0	0	0	2	5	7	0	31
20:30	3	10	8	4	0	3	2	1	0	31
Total	14	23	13	12	1	13	8	9	0	93

Number of days with rain 3, fog 0, thunderstorms 0, gale 0.
71 yr. av. number of days with rain during month 3.84